JOURNAL OF THE
AUDIO ENGINEERING SOCIETY

SUBJECT AND AUTHOR INDEX
VOLUME 29—1981 NUMBERS 1–12

SUBJECT INDEX

ACOUSTICS

Sound Transmission and Impact Insulation: A PPC Program (PCP). Benjamin Bernfeld, 29:3, p. 153 (1981)

Comments on "The Practical Application of Time-Delay Spectrometry in the Field" (L). F. J. Fahy, 29:4, p. 262 (1981)
Author's Reply (L). C. R. Cable and J. K. Hilliard, 29:4, p. 262 (1981)

Acoustic Design Considerations for Speech Intelligibility (ER). Howard G. Smith, 29:6, p. 408 (1981)

A New Criterion for the Distribution of Normal Room Modes. Oscar Juan Bonello, 29:9, p. 597 (1981)
[Correction], 29:12, p. 905 (1981)

Acoustical Response of an Enclosure (PCP). Ivan Stamać and Silvije Stamać, 29:9, p. 611 (1981)

A Tool for Room Acoustic Measurement (ER). Fukushi Kawakami, Koji Niimi, and Kiminori Yamaguchi, 29:10, p. 739 (1981)

AMPLIFIERS AND PREAMPLIFIERS

Distortion Correction in Audio Power Amplifiers (ER). M. J. Hawksford, 29:1/2, p. 27 (1981)

Design and Construction of a Feedforward Error-Correction Amplifier (ER). Susumu Takahashi and Susumu Tanaka, 29:1/2, p. 31 (1981)

Comments on "On RIAA Equalization Networks" (L). Peter J. Baxandall, 29:1/2, p. 47 (1981)
Author's Reply (L). Stanley P. Lipshitz, 29:1/2, p. 52 (1981)

A Power Amplifier "Improver" (ER). Edward M. Cherry, 29:3, p. 140 (1981)

New Biasing Circuit for Class B Operation (ER). Susumu Tanaka, 29:3, p. 148 (1981)

Nonlinear Distortion Measurement Using Composite Pulse Waveform (ER). Yoshimutsu Hirata, Masaaki Ueki, Tomoaki Kasuga, and Takashi Kitamura, 29:4, p. 243 (1981)

An Amplifier Input Stage Design Criterion for the Suppression of Dynamic Distortions (ER). W. Marshall Leach, Jr., 29:4, p. 249 (1981)

A New Distortion Mechanism in Class B Amplifiers (ER). Edward M. Cherry, 29:5, p. 327 (1981)

Correction to "On Intermodulation and Harmonic Distortion in Single-Amplifier Active Filters" (L). Andrzej Borys, 29:6, p. 443 (1981)

Distortion Correction Circuits for Audio Amplifiers. M. J. Hawksford, 29:7/8, p. 503 (1981)

New Factors in Power Amplifier Design (ER). Tomlinson Holman, 29:7/8, p. 517 (1981)

A Fully In-Band Multitone Test for Transient Intermodulation Distortion. Robert R. Cordell, 29:9, p. 578 (1981)

Study of Nonlinear Distortion in Audio Instruments (C). Yoshimutsu Hirata, 29:9, p. 607 (1981)

AUDIO CIRCUITS AND CIRCUIT COMPONENTS

Comments on "On RIAA Equalization Networks" (L). Peter J. Baxandall, 29:1/2, p. 47 (1981)
Author's Reply (L). Stanley P. Lipshitz, 29:1/2, p. 52 (1981)

A Power Amplifier "Improver" (ER). Edward M. Cherry, 29:3, p. 140 (1981)

New Biasing Circuit for Class B Operation (ER). Susumu Tanaka, 29:3, p. 148 (1981)

An Algorithm for Estimation of Parametric Filter Functions. D. C. Bullis and T. A. Brubaker, 29:4, p. 235 (1981)

An Amplifier Input Stage Design Criterion for the Suppression of Dynamic Distortions (ER). W. Marshall Leach, Jr., 29:4, p. 249 (1981)

JOURNAL OF THE
AUDIO ENGINEERING SOCIETY

SUBJECT AND AUTHOR INDEX
VOLUME 29—1981 NUMBERS 1–12

SUBJECT INDEX

ACOUSTICS

Sound Transmission and Impact Insulation: A PPC Program (PCP). Benjamin Bernfeld, 29:3, p. 153 (1981)

Comments on "The Practical Application of Time-Delay Spectrometry in the Field" (L). F. J. Fahy, 29:4, p. 262 (1981)
Author's Reply (L). C. R. Cable and J. K. Hilliard, 29:4, p. 262 (1981)

Acoustic Design Considerations for Speech Intelligibility (ER). Howard G. Smith, 29:6, p. 408 (1981)

A New Criterion for the Distribution of Normal Room Modes. Oscar Juan Bonello, 29:9, p. 597 (1981)
[Correction], 29:12, p. 905 (1981)

Acoustical Response of an Enclosure (PCP). Ivan Stamać and Silvije Stamać, 29:9, p. 611 (1981)

A Tool for Room Acoustic Measurement (ER). Fukushi Kawakami, Koji Niimi, and Kiminori Yamaguchi, 29:10, p. 739 (1981)

AMPLIFIERS AND PREAMPLIFIERS

Distortion Correction in Audio Power Amplifiers (ER). M. J. Hawksford, 29:1/2, p. 27 (1981)

Design and Construction of a Feedforward Error-Correction Amplifier (ER). Susumu Takahashi and Susumu Tanaka, 29:1/2, p. 31 (1981)

Comments on "On RIAA Equalization Networks" (L). Peter J. Baxandall, 29:1/2, p. 47 (1981)
Author's Reply (L). Stanley P. Lipshitz, 29:1/2, p. 52 (1981)

A Power Amplifier "Improver" (ER). Edward M. Cherry, 29:3, p. 140 (1981)

New Biasing Circuit for Class B Operation (ER). Susumu Tanaka, 29:3, p. 148 (1981)

Nonlinear Distortion Measurement Using Composite Pulse Waveform (ER). Yoshimutsu Hirata, Masaaki Ueki, Tomoaki Kasuga, and Takashi Kitamura, 29:4, p. 243 (1981)

An Amplifier Input Stage Design Criterion for the Suppression of Dynamic Distortions (ER). W. Marshall Leach, Jr., 29:4, p. 249 (1981)

A New Distortion Mechanism in Class B Amplifiers (ER). Edward M. Cherry, 29:5, p. 327 (1981)

Correction to "On Intermodulation and Harmonic Distortion in Single-Amplifier Active Filters" (L). Andrzej Borys, 29:6, p. 443 (1981)

Distortion Correction Circuits for Audio Amplifiers. M. J. Hawksford, 29:7/8, p. 503 (1981)

New Factors in Power Amplifier Design (ER). Tomlinson Holman, 29:7/8, p. 517 (1981)

A Fully In-Band Multitone Test for Transient Intermodulation Distortion. Robert R. Cordell, 29:9, p. 578 (1981)

Study of Nonlinear Distortion in Audio Instruments (C). Yoshimutsu Hirata, 29:9, p. 607 (1981)

AUDIO CIRCUITS AND CIRCUIT COMPONENTS

Comments on "On RIAA Equalization Networks" (L). Peter J. Baxandall, 29:1/2, p. 47 (1981)
Author's Reply (L). Stanley P. Lipshitz, 29:1/2, p. 52 (1981)

A Power Amplifier "Improver" (ER). Edward M. Cherry, 29:3, p. 140 (1981)

New Biasing Circuit for Class B Operation (ER). Susumu Tanaka, 29:3, p. 148 (1981)

An Algorithm for Estimation of Parametric Filter Functions. D. C. Bullis and T. A. Brubaker, 29:4, p. 235 (1981)

An Amplifier Input Stage Design Criterion for the Suppression of Dynamic Distortions (ER). W. Marshall Leach, Jr., 29:4, p. 249 (1981)

Digitalization of Conventional Analog Filters for Recording Use (ER). Yoshimutsu Hirata, 29:5, p. 333 (1981)

Correction to "On Intermodulation and Harmonic Distortion in Single-Amplifier Active Filters" (L). Andrzej Borys, 29:6, p. 443 (1981)

Ultra-High-Performance Amplitude and Frequency Modulation and Demodulation. Daniel B. Talbot, 29:7/8, p. 492 (1981)
[Correction], 29:11, p. 824 (1981)

Distortion Correction Circuits for Audio Amplifiers. M. J. Hawksford, 29:7/8, p. 503 (1981)

Programmable State-Variable Active Biquads. Jacek M. Zurada, 29:11, p. 786 (1981)

AUDIO ENGINEERING SOCIETY

Minutes of the Meeting of the Digital Audio Technical Committee (1980 October) (TCR). Bart Locanthi, 29:1/2, p. 56 (1981)

68th Convention, Hamburg (1981 March 17–20). 29:5, p. 348 (1981)

Minutes of the Meeting of the Digital Audio Technical Committee (1981 March) (TCR). B. Blüthgen, 29:6, p. 444 (1981)

Report of the AES Technical Committee on Sound-Reinforcement Components (TCR). Clifford A. Henricksen, 29:7/8, p. 526 (1981)

Polarity Calibration Tape (Issue 2) (TCR). Stanley P. Lipshitz and John Vanderkooy, 29:7/8, p. 528 (1981)
[Correction], 29:12, p. 905 (1981)

69th Convention, Los Angeles (1981 May 12–15). 29:7/8, p. 532 (1981)

AES Annual Report. 29:7/8, p. 574 (1981)

Minutes of the Meeting of the Digital Audio Technical Committee (1981 May) (TCR). Bart Locanthi, 29:9, p. 620 (1981)

President's Message (Pres. Mess.). Barry Blesser, 29:12, p. 866 (1981)

70th Convention, New York (1981 October 30–November 2). 29:12, p. 916 (1981)

AUDIO INDUSTRY

Early Hi-Fi and Stereo Recording at Bell Laboratories (1931–1932) (Feature). A. C. Keller, 29:4, p. 274 (1981)

100 Years with Stereo—The Beginning (Feature). 29:5, p. 368 (1981)

Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers" (L). Bob Katz, 29:6, p. 442 (1981)
Author's Reply (L). Daniel R. Raichel, 29:6, p. 442 (1981)

Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers (L). Jeffrey A. Lienau and Daniel G. Hays, 29:9, p. 617 (1981)
Author's Reply (L). Daniel R. Raichel, 29:9, p. 618 (1981)

Comments on the History of Magnetic Recording (L). Georg Brock-Nannestad, 29:7/8, p. 524 (1981)
Comment (L). John T. Mullin, 29:7/8, p. 525 (1981)

BROADCASTING

Comments on "Reproducing the Infrasonic" (L). Peter Körner, 29:4, p. 264 (1981)

Ultra-High-Performance Amplitude and Frequency Modulation and Demodulation. Daniel B. Talbot, 29:7/8, p. 492 (1981)
[Correction], 29:11, p. 824 (1981)

A Satellite Communications, Broadcast-Quality Amplitude Compander. Daniel E. Talbot, 29:10, p. 690 (1981)

DIGITAL

Examination of Audio-Bandwidth Requirements for Optimum Sound Signal Transmission. Teruo Muraoka, Makoto Iwahara, and Yasuhiro Yamada, 29:1/2, p. 2 (1981)

Minutes of the Meeting of the Digital Audio Technical Committee (1980 October) (TCR). Bart Locanthi, 29:1/2, p. 56 (1981)

Digital Audio Activities in Japan (TCR). T. Kato, 29:1/2, p. 58 (1981)

General Information on a Compact Digital Audio Disk (TCR). T. T. Doi, 29:1/2, p. 60 (1981)

Bibliography (TCR). Puddie Rodgers, 29:1/2, p. 66 (1981)

JVC AHD Digital Audio Disk System (TCR). T. Hidaka, 29:1/2, p. 68 (1981)

Information for Digital Audio Signal Compatibility (TCR). Marshall R. Hatfield and Richard F. Dubbe, 29:1/2, p. 70 (1981)

Questionnaire on User Requirements for a Digital Interface for the Local Interconnection of Digital Audio Equipment (TCR). Roger Lagadec, 29:1/2, p. 74 (1981)

Digitalization of Conventional Analog Filters for Recording Use (ER). Yoshimutsu Hirata, 29:5, p. 333 (1981)

Minutes of the Meeting of the Digital Audio Technical Committee (1981 March) (TCR). B. Blüthgen, 29:6, p. 444 (1981)

Minutes of the Meeting of the Digital Audio Technical Committee (1981 May) (TCR). Bart Locanthi, 29:9, p. 620 (1981)

Review of Proposal of IEC WG16 (TCR). R. Youngquist, T. Stockham, and A. Heaslett, 29:9, p. 621 (1981)

Report on Subsequent DAD Conference Activities in Japan (TCR). 29:9, p. 622 (1981)

Review of Digital Audio Machines Currently Available (TCR). 29:9, p. 623 (1981)

Comments on Stress Tests (L). John Diamond, 29:10, p. 749 (1981)
Author's Reply (L). Nelson Morgan, 29:10, p. 749 (1981)
Author's Reply (L). David Clark, 29:10, p. 750 (1981)

DISK RECORDING AND REPRODUCTION

Comments on "On RIAA Equalization Networks" (L). Peter J. Baxandall, 29:1/2, p. 47 (1981)
Author's Reply (L). Stanley P. Lipshitz, 29:1/2, p. 52 (1981)

General Information on a Compact Digital Audio Disk (TCR). T. T. Doi, 29:1/2, p. 60 (1981)

JVC AHD Digital Audio Disk System (TCR). T. Hidaka, 29:1/2, p. 68 (1981)

Report on Subsequent DAD Conference Activities in Japan (TCR). 29:9, p. 622 (1981)

Determination of Sliding Friction Between Stylus and Record Groove (ER). Robert P. Pardee, 29:12, p. 890 (1981)

EQUALIZATION

An Algorithm for Estimation of Parametric Filter Functions. D. C. Bullis and T. A. Brubaker, 29:4, p. 235 (1981)

HEARING

Examination of Audio-Bandwidth Requirements for Optimum Sound Signal Transmission. Teruo Muraoka, Makoto Iwahara, and Yasuhiro Yamada, 29:1/2, p. 2 (1981)

Bibliography (TCR). Puddie Rodgers, 29:1/2, p. 66 (1981)

The Audibility of Frequency Response Irregularities. R. Bücklein, 29:3, p. 126 (1981)

Pinna Transformations and Sound Reproduction. C. A. Puddie Rodgers, 29:4, p. 226 (1981)
[Correction], 29:7/8, p. 525 (1981)

Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers" (L). Bob Katz, 29:6, p. 442 (1981)
Author's Reply (L). Daniel R. Raichel, 29:6, p. 442 (1981)
Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers" (L). Jeffrey A. Lienau and Daniel G. Hays, 29:9, p. 617 (1981)
Author's Reply (L). Daniel R. Raichel, 29:9, p. 618 (1981)

The Great Debate: Subjective Evaluation. Stanley P. Lipshitz and John Vanderkooy, 29:7/8, p. 482 (1981)

LOUDSPEAKERS

Moving-Coil Loudspeaker Topology as an Indicator of Linear Excursion Capability. Mark R. Gander, 29:1/2, p. 10 (1981)

Comments on "Shaped Tone-Burst Testing" (L). E. G. Trendell, 29:1/2, p. 53 (1981)

Ferrofluids as a Means of Controlling Woofer Design Parameters. L. Melillo and K. Raj, 29:3, p. 132 (1981)

On Loudspeaker Response in Sound Control Rooms (C). Juhani Borenius, 29:4, p. 258 (1981)

A Three-Dimensional Interferometric Vibrational Mode Display. G. Bank and G. T. Hathaway, 29:5, p. 314 (1981)

Frequency-Modulation Distortion in Loudspeakers (Reprint). G. L. Beers and H. Belar, 29:5, p. 320 (1981)

Augmented Passive Radiator Loudspeaker Systems, Part I. Thomas L. Clarke, 29:6, p. 394 (1981)
Augmented Passive Radiator Loudspeaker Systems, Part II. Thomas L. Clarke, 29:7/8, p. 511 (1981)

Active Equalization of Closed-Box Loudspeaker Systems. W. Marshall Leach, Jr., 29:6, p. 405 (1981)

Measurements of the Input Impedance of Loudspeaker Horns (ER). Tomas Salava, 29:6, p. 416 (1981)

Personal Calculator Programs for Approximate Vented-Box and Closed-Box Loudspeaker System Design (PCP). Garry Margolis and Richard H. Small, 29:6, p. 421 (1981)
[Correction], 29:11, p. 824 (1981)

Comments on Reactance Annulling in Horn-Loaded Loudspeaker Systems (L). Edward F. McClain, Jr., 29:7/8, p. 523 (1981)
Author's Reply (L). W. Marshall Leach, Jr., 29:7/8, p. 523 (1981)

Synthesis of Loudspeaker Mechanical Parameters by Electrical Means: A New Method for Controlling Low-Frequency Loudspeaker Behavior. Karl Erik Ståhl, 29:9, p. 587 (1981)

Study of Nonlinear Distortion in Audio Instruments (C). Yoshimutsu Hirata, 29:9, p. 607 (1981)

The Resonance of Loudspeaker Diaphragms. D. A. Barlow, G. D. Galletly, and J. Mistry, 29:10, p. 699 (1981)

Tweeter Using New Structure and New Material for Diaphragm (Direct-Drive Ribbon Tweeter). Heitaro Nakajima, Masana Ugaji, and Hideo Suyama, 29:10, p. 705 (1981)

Loudspeaker with Honeycomb Disk Diaphragm. Naraji Sakamoto, Katsuaki Satoh, Kazue Satoh, and Nobuhisa Atoji, 29:10, p. 711 (1981)

Polymer-Graphite Composite Loudspeaker Diaphragm. Tsunehiro Tsukagoshi, Shinichi Yokozeki, Sumio Hagiwara, Toshikazu Yoshino, Yasuyuki Arai, and Takeo Yamamoto, 29:10, p. 720 (1981)

Coaxial Flat-Plane Loudspeaker with Polymer-Graphite Honeycomb Sandwich Plate Diaphragm. Jiro Nakazono, Kunihiko Shimada, Yukio Tsuchiya, Takashi Furukawa, and Yukio Matsumoto, 29:11, p. 800 (1981)

Reinforced Olefin Polymer Diaphragm for Loudspeakers. Hirotoshi Niguchi, Osamu Yamamoto, Mitsuru Ieki, Toshio Shimizu, and Naraji Sakamoto, 29:11, p. 808 (1981)

Radiation and Diffraction Effects of Convex and Concave Domes. Hideo Suzuki and Jiri Tichy, 29:12, p. 873 (1981)

Design of Loudspeaker Systems Based on Measured Impulse Response (ER). J. E. Jacobs and R. W. Cochran, 29:12, p. 882 (1981)

MAGNETIC TAPE RECORDING AND REPRODUCTION

A Real-Time Tape Duplication System (C). Gordon S. Carter, 29:4, p. 252 (1981)

Comments on the History of Magnetic Recording (L). Georg Brock-Nannestad, 29:7/8, p. 524 (1981)
Comment (L). John T. Mullin, 29:7/8, p. 525 (1981)

Review of Proposal of IEC WG16 (TCR). R. Youngquist, T. Stockham, and A. Heaslett, 29:9, p. 621 (1981)

Review of Digital Audio Machines Currently Available (TCR). 29:9, p. 623 (1981)

Ribbon Sendust Magnetic Tape Heads. Tsunehiro Tsukagoshi, Hiroshi Ito, Kiyohide Ogasawara, Tetsu Namiki, Shinji Yasuda, Yutaka Masumoto, Hiroyuki Ota, and Takeo Yamamoto, 29:12, p. 867 (1981)

MEDICAL AND BIOLOGICAL APPLICATIONS

Comments on Stress Tests (L). John Diamond, 29:10, p. 749 (1981)
Author's Reply (L). Nelson Morgan, 29:10, p. 749 (1981)
Author's Reply (L). David Clark, 29:10, p. 750 (1981)

MICROPHONES

Tonal Effects of Close Microphone Placement (ER). Bruce A. Bartlett, 29:10, p. 726 (1981)

MULTICHANNEL RECORDING AND REPRODUCTION

100 Years with Stereo—The Beginning (Feature). 29:5, p. 368 (1981)

Controlling Sound-Image Localization in Stereophonic Reproduction. Naraji Sakamoto, Toshiyuki Gotoh, Takuyo Kogure, Masatoshi Shimbo, and Almon H. Clegg, 29:11, p. 794 (1981)

MUSIC AND MUSICAL INSTRUMENTS

Performed Music: Analysis, Synthesis, and Display by Computer (ER). M. Piszczalski, B. Galler, R. Bossemeyer, M. Hatamian, and F. Looft, 29:1/2, p. 38 (1981)

A Simpler Musical Calculator Program (L). Bob Katz, 29:3, p. 160 (1981)
Author's Reply (L). J. M. Bowsher, 29:3, p. 161 (1981)

Correction to "Waveshape Parameter Modulation in Producing Complex Audio Spectra" (L). Yasuhiro Mitsuhashi, 29:4, p. 265 (1981)

Midwest Acoustics Conference (MAC 81) (Feature). 29:6, p. 454 (1981)

Analog Circuits for Sound Animation (ER). Bernard A. Hutchins, Jr., 29:11, p. 814 (1981)

A Computer-Controlled Polyphonic Synthesizer (ER). David P. Rossum, 29:12, p. 895 (1981)

Digital Additive Synthesis for Computer Music (C). Jeffrey S. Risberg and Gerald M. Shapiro, 29:12, p. 902 (1981)

PERSONAL CALCULATOR PROGRAMS

Sound Transmission and Impact Insulation: A PPC Program (PCP). Benjamin Bernfeld, 29:3, p. 153 (1981)

A Simpler Musical Calculator Program (L). Bob Katz, 29:3, p. 160 (1981)
Author's Reply (L). J. M. Bowsher, 29:3, p. 161 (1981)

Personal Calculator Programs for Approximate Vented-Box and Closed-Box Loudspeaker System Design (PCP). Garry Margolis and Richard H. Small, 29:6, p. 421 (1981)
[Correction], 29:11, p. 824 (1981)

Acoustical Response of an Enclosure (PCP). Ivan Stamać and Silvije Stamać, 29:9, p. 611 (1981)

PSYCHOACOUSTICS

Bibliography (TCR). Puddie Rodgers, 29:1/2, p. 66 (1981)

The Audibility of Frequency Response Irregularities. R. Bücklein, 29:3, p. 126 (1981)

Pinna Transformations and Sound Reproduction. C. A. Puddie Rodgers, 29:4, p. 226 (1981)
[Correction], 29:7/8, p. 525 (1981)

The Great Debate: Subjective Evaluation. Stanley P. Lipshitz and John Vanderkooy, 29:7/8, p. 482 (1981)

Controlling Sound-Image Localization in Stereophonic Reproduction. Naraji Sakamoto, Toshiyuki Gotoh, Takuyo Kogure, Masatoshi Shimbo, and Almon H. Clegg, 29:11, p. 794 (1981)

RECORDING

On Loudspeaker Response in Sound Control Rooms (C).

Juhani Borenius, 29:4, p. 258 (1981)

Early Hi-Fi and Stereo Recording at Bell Laboratories (1931–1932) (Feature). A. C. Keller, 29:4, p. 274 (1981)

A Different Way to Record Classical Music (ER). Jürg Jecklin, 29:5, p. 329 (1981)

SOUND REINFORCEMENT AND PUBLIC ADDRESS SYSTEMS

Comments on "The Practical Application of Time-Delay Spectrometry in the Field" (L). F. J. Fahy, 29:4, p. 262 (1981)
Author's Reply (L). C. R. Cable and J. K. Hilliard, 29:4, p. 262 (1981)

Acoustic Design Considerations for Speech Intelligibility (ER). Howard G. Smith, 29:6, p. 408 (1981)

Report of the AES Technical Committee on Sound-Reinforcement Components (TCR). Clifford A. Henricksen, 29:7/8, p. 526 (1981)

A New Criterion for the Distribution of Normal Room Modes. Oscar Juan Bonello, 29:9, p. 597 (1981)
[Correction], 29:12, p. 905 (1981)

TESTING AND MEASUREMENT

Examination of Audio-Bandwidth Requirements for Optimum Sound Signal Transmission. Teruo Muraoka, Makoto Iwahara, and Yasuhiro Yamada, 29:1/2, p. 2 (1981)

Distortion Correction in Audio Power Amplifiers (ER). M. J. Hawksford, 29:1/2, p. 27 (1981)

Comments on "Shaped Tone-Burst Testing" (L). E. G. Trendell, 29:1/2, p. 53 (1981)

Nonlinear Distortion Measurement Using Composite Pulse Waveform (ER). Yoshimutsu Hirata, Masaaki Ueki, Tomoaki Kasuga, and Takashi Kitamura, 29:4, p. 243 (1981)

Comments on "The Practical Application of Time-Delay Spectrometry in the Field" (L). F. J. Fahy, 29:4, p. 262 (1981)
Author's Reply (L). C. R. Cable and J. K. Hilliard, 29:4, p. 262 (1981)

A Three-Dimensional Interferometric Vibrational Mode Display. G. Bank and G. T. Hathaway, 29:5, p. 314 (1981)

The Great Debate: Subjective Evaluation. Stanley P. Lipshitz and John Vanderkooy, 29:7/8, p. 482 (1981)

A Fully In-Band Multitone Test for Transient Intermodulation Distortion. Robert R. Cordell, 29:9, p. 578 (1981)

Study of Nonlinear Distortion in Audio Instruments (C). Yoshimutsu Hirata, 29:9, p. 607 (1981)

A Tool for Room Acoustic Measurement (ER). Fukushi Kawakami, Koji Niimi, and Kiminori Yamaguchi, 29:10, p. 739 (1981)

A Simple Pulse Tester for Electroacoustic Measurements (ER). Alan Fierstein, 29:11, p. 821 (1981)

VIDEO AUDIO

Motion Picture Sound in Record-Industry Perspective. John Mosely, 29:3, p. 114 (1981)

The Use of Seminars and Audio/Visual Presentations to Promote the Acceptance of Engineered Sound and Communications Systems by the General Public (C). David F. Moore, 29:5, p. 338 (1981)

AUTHOR INDEX

Arai, Yasuyuki. (see Tsukagoshi, Tsunehiro). 29:10, p. 720 (1981)

Atoji, Nobuhisa. (see Sakamoto, Naraji). 29:10, p. 711 (1981)

Bank, G., and G. T. Hathaway. A Three-Dimensional Interferometric Vibrational Mode Display, 29:5, p. 314 (1981)

Barlow, D. A., G. D. Galletly, and J. Mistry. The Resonances of Loudspeaker Diaphragms, 29:10, p. 699 (1981)

Bartlett, Bruce A. Tonal Effects of Close Microphone Placement (ER), 29:10, p. 726 (1981)

Baxandall, Peter J. Comments on "On RIAA Equalization Networks" (L), 29:1/2, p. 47 (1981)

Beers, G. L., and H. Belar. Frequency-Modulation Distortion in Loudspeakers (*Reprint*), 29:5, p. 320 (1981)

Belar, H. (see Beers, G. L.). 29:5, p. 320 (1981)

Bernfeld, Benjamin. Sound Transmission and Impact Insulation: A PPC Program (PCP), 29:3, p. 153 (1981)

Blesser, Barry. President's Message (Pres. Mess.), 29:12, p. 866 (1981)

Blüthgen, B. Minutes of the Meeting of the Digital Audio Technical Committee (1981 March) (TCR), 29:6, p. 444 (1981)

Bonello, Oscar Juan. A New Criterion for the Distribution of Normal Room Modes, 29:9, p. 597 (1981)
[Correction], 29:12, p. 905 (1981)

Borenius, Juhani. On Loudspeaker Response in Sound Control Rooms (C), 29:4, p. 258 (1981)

Borys, Andrzej. Correction to "On Intermodulation and Harmonic Distortion in Single-Amplifier Active Filters" (L), 29:6, p. 443 (1981)

Bossemeyer, R. (see Piszczalski, M.). 29:1/2, p. 38 (1981)

Bowsher, J. M. Author's Reply to "A Simpler Musical Calculator Program" (L), 29:3, p. 161 (1981)

Brock-Nannestad, Georg. Comments on the History of Magnetic Recording (L), 29:7/8, p. 524 (1981)

Brubaker, T. A. (see Bullis, D. C.). 29:4, p. 235 (1981)

Bücklein, R. The Audibility of Frequency Response Irregularities, 29:3, p. 126 (1981)

Bullis, D. C., and T. A. Brubaker. An Algorithm for Estimation of Parametric Filter Functions, 29:4, p. 235 (1981)

Cable, C. R., and J. K. Hilliard. Author's Reply to Comments on "The Practical Application of Time-Delay Spectrometry in the Field" (L), 29:4, p. 262 (1981)

Carter, Gordon S. A Real-Time Tape Duplication System (C), 29:4, p. 252 (1981)

Cherry, Edward M. A Power Amplifier "Improver" (ER), 29:3, p. 140 (1981)
——. A New Distortion Mechanism in Class B Amplifiers (ER), 29:5, p. 327 (1981)

Clark, David. Author's Reply to "Comments on Stress Tests" (L), 29:10, p. 750 (1981)

Clarke, Thomas L. Augmented Passive Radiator Loudspeaker Systems, Part I, 29:6, p. 394 (1981)
——. Augmented Passive Radiator Loudspeaker Systems, Part II, 29:7/8, p. 511 (1981)

Clegg, Almon H. (see Sakamoto, Naraji). 29:11, p. 794 (1981)

Cochran, R. W. (see Jacobs, J. E.), 29:12, p. 882 (1981)

Cordell, Robert R. A Fully In-Band Multitone Test for Transient Intermodulation Distortion, 29:9, p. 578 (1981)

Diamond, John. Comments on Stress Tests (L), 29:10, p. 749 (1981)

Doi, T. T. General Information on a Compact Digital Audio Disk (TCR), 29:1/2, p. 60 (1981)

Dubbe, Richard F. (see Hatfield, Marshall R.). 29:1/2, p. 70 (1981)

Fahy, F. J. Comments on "The Practical Application of Time-Delay Spectrometry in the Field" (L), 29:4, p. 262 (1981)

Fierstein, Alan. A Simple Pulse Tester for Electroacoustic Measurements (ER), 29:11, p. 821 (1981)

Furukawa, Takashi. (see Nakazono, Jiro). 29:11, p. 800 (1981)

Galler, B. (see Piszczalski, M.). 29:1/2, p. 38 (1981)

Galletly, G. D. (see Barlow, D. A.). 29:10, p. 699 (1981)

Gander, Mark R. Moving-Coil Loudspeaker Topology as an Indicator of Linear Excursion Capability, 29:1/2, p. 10 (1981)

Gotoh, Toshiyuki. (see Sakamoto, Naraji). 29:11, p. 794 (1981)

Hagiwara, Sumio. (see Tsukagoshi, Tsunehiro). 29:10, p. 720 (1981)

Hatamian, M. (see Piszczalski, M.). 29:1/2, p. 38 (1981)

Hatfield, Marshall R., and Richard F. Dubbe. Information for Digital Audio Signal Compatibility (TCR), 29:1/2, p. 70 (1981)

Hathaway, G. T. (see Bank, G.). 29:5, p. 314 (1981)

Hawksford, M. J. Distortion Correction in Audio Power Amplifiers (ER), 29:1/2, p. 27 (1981)
——. Distortion Correction Circuits for Audio Amplifiers, 29:7/8, p. 503 (1981)

Hays, Daniel G. (see Lienau, Jeffrey A.). 29:9, p. 617 (1981)

Heaslett. A. (see Youngquist, R.). 29:9, p. 621 (1981)

Henricksen, Clifford A. Report of the AES Technical Committee on Sound-Reinforcement Components (TCR,, 29:7/8, p. 526 (1981)

Hidaka, T. JVC AHD Digital Audio Disk System (TCR), 29:1/2, p. 68 (1981)

Hilliard, J. K. (see Cable, C. R.). 29:4, p. 262 (1981)

Hirata, Yoshimutsu, Masaaki Ueki, Tomoaki Kasuga, and Takashi Kitamura. Nonlinear Distortion Measurement Using Composite Pulse Waveform (ER), 29:4, p. 243 (1981)
——. Digitalization of Conventional Analog Filters for Recording Use (ER), 29:5, p. 333 (1981)
——. Study of Nonlinear Distortion in Audio Instruments (C), 29:9, p. 607 (1981)

Holman, Tomlinson. New Factors in Power Amplifier Design (ER), 29:7/8, p. 517 (1981)

Hutchins, Bernard A., Jr. Analog Circuits for Sound Animation (ER), 29:11, p. 814 (1981)

Ieki, Mitsuru. (see Niguchi, Hirotoshi). 29:11, p. 808 (1981)

Ito, Hiroshi. (see Tsukagoshi, Tsunehiro). 29:12, p. 867 (1981)

Iwahara, Makoto. (see Muraoka, Teruo). 29:1/2, p. 2 (1981)

Jacobs, J. E., and R. W. Cochran. Design of Loudspeaker Systems Based on Measured Impulse Response (ER), 29:12, p. 882 (1981)

Jecklin, Jürg. A Different Way to Record Classical Music, 29:5, p. 329 (1981)

Kasuga, Tomoaki. (see Hirata, Yoshimutsu). 29:4, p. 243 (1981)

Kato, T. Digital Audio Activities in Japan (TCR), 29:1/2, p. 58 (1981)

Katz, Bob. A Simpler Musical Calculator Program (L), 29:3, p. 160 (1981)
——. Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers" (L), 29:6, p. 442 (1981)

Kawakami, Fukushi, Koji Niimi, and Kiminori Yamaguchi. A Tool for Room Acoustic Measurement, 29:10, p. 739 (1981)

Keller, A. C. Early Hi-Fi and Stereo Recording at Bell Laboratories (1931–1932) (Feature), 29:4, p. 274 (1981)

Kitamura, Takashi. (see Hirata, Yoshimutsu). 29:4, p. 243 (1981)

Kogure, Takuyo. (see Sakamoto, Naraji). 29:11, p. 794 (1981)

Körner, Peter. Comments on "Reproducing the Infrasonic" (L), 29:4, p. 264 (1981)

Lagadec, Roger. Questionnaire on User Requirements for a Digital Interface for the Local Interconnection of Digital Audio Equipment (TCR), 29:1/2, p. 74 (1981)

Leach, W. Marshall, Jr. An Amplifier Input Stage Design Criterion for the Suppression of Dynamic Distortions (ER), 29:4, p. 249 (1981)
——. Active Equalization of Closed-Box Loudspeaker Systems, 29:6, p. 405 (1981)
——. Author's Reply to "Reactance Annulling in Horn-Loaded Loudspeaker Systems" (L), 29:7/8, p. 523 (1981)

Lienau, Jeffrey A., and Daniel G. Hays. Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers" (L), 29:9, p. 617 (1981)

Lipshitz, Stanley P. Author's Reply to Comments on "On RIAA Equalization Networks" (L), 29:1/2, p. 52 (1981)
——, and John Vanderkooy. The Great Debate: Subjective Evaluation, 29:7/8, p. 482 (1981)
——, and John Vanderkooy. Polarity Calibration Tape (Issue 2) (TCR), 29:7/8, p. 528 (1981)
[Correction], 29:12, p. 905 (1981)

Locanthi, Bart. Minutes of the Meeting of the Digital Audio Technical Committee (1980 October) (TCR), 29:1/2, p. 56 (1981)
——. Minutes of the Meeting of the Digital Audio Technical Committee (1981 May) (TCR), 29:9, p. 620 (1981)

Looft, F. (see Piszczalski, M.). 29:1/2, p. 38 (1981)

Margolis, Garry, and Richard H. Small. Personal Calculator Programs for Approximate Vented-Box and Closed-Box Loudspeaker System Design (PCP), 29:6, p. 421 (1981)
[Correction], 29:11, p. 824 (1981)

Masumoto, Yutaka. (see Tsukagoshi, Tsunehiro). 29:12, p. 867 (1981)

Matsumoto, Yukio. (see Nakazono, Jiro), 29:11, p. 800 (1981)

McClain, Edward F., Jr. Comments on Reactance Annulling in Horn-Loaded Loudspeaker Systems (L), 29:7/8, p. 523 (1981)

McKnight, John G. (Jay). Report on an Ad Hoc Meeting on the Formation of an AES Technical Committee on Audio Polarity (TCR), 29:7/8, p. 528 (1981)

Melillo, L., and K. Raj. Ferrofluids as a Means of Controlling Woofer Design Parameters, 29:3, p. 132 (1981)

Mistry, J. (see Barlow, D. A.). 29:10, p. 699 (1981)

Mitsuhashi, Yasuhiro. Correction to "Waveshape Parameter Modulation in Producing Complex Audio Spectra" (L), 29:4, p. 265 (1981)

Moore, David F. The Use of Seminars and Audio/Visual Presentations to Promote the Acceptance of Engineered Sound and Communications Systems by the General Public (C), 29:5, p. 338 (1981)

Morgan, Nelson. Author's Reply to "Comments on Stress Tests" (L), 29:10, p. 749 (1981)

Mosely, John. Motion Picture Sound in Record-Industry Perspective, 29:3, p. 114 (1981)

Mullin, John T. Comment on "Comments on the History of Magnetic Recording" (L), 29:7/8, p. 525 (1981)

Muraoka, Teruo, Makoto Iwahara, and Yasuhiro Yamada. Examination of Audio-Bandwidth Requirements for Optimum Sound Signal Transmission, 29:1/2, p. 2 (1981)

Nakajima, Heitaro, Masana Ugaji, and Hideo Suyama. Tweeter Using New Structure and New Material for Diaphragm (Direct-Drive Ribbon Tweeter), 29:10, p. 705 (1981)

Nakazono, Jiro, Kunihiko Shimada, Yukio Tsuchiya, Takashi Furukawa, and Yukio Matsumoto. Coaxial Flat-Plane Loudspeaker with Polymer-Graphite Honeycomb Sandwich Plate Diaphragm, 29:11, p. 800 (1981)

Namiki, Tetsu. (see Tsukagoshi, Tsunehiro). 29:12, p. 867 (1981)

Niguchi, Hirotoshi, Osamu Yamamoto, Mitsuru Ieki, Toshio Shimizu, and Naraji Sakamoto. Reinforced Olefin Polymer Diaphragm for Loudspeakers, 29:11, p. 808 (1981)

Niimi, Koji. (see Kawakami, Fukushi). 29:10, p. 739 (1981)

Ogasawara, Kiyohide. (see Tsukagoshi, Tsunehiro). 29:12, p. 867 (1981)

Ota, Hiroyuki. (see Tsukagoshi, Tsunehiro). 29:12, p. 867 (1981)

Pardee, Robert P. Determination of Sliding Friction Between Stylus and Record Groove (ER), 29:12, p. 890 (1981)

Piszczalski, M., B. Galler, R. Bossemeyer, M. Hatamian, and F. Looft. Performed Music: Analysis, Synthesis, and Display by Computer (ER), 29:1/2, p. 38 (1981)

Raichel, Daniel R. Author's Reply to Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers" (L), 29:6, p. 442 (1981)
——. Author's Reply to Comments on "Recreational Noise Exposure—An Occupational Hazard for Audio Engineers" (L), 29:9, p. 618 (1981)

Raj, K. (see Melillo, L.). 29:3, p. 132 (1981)

Risberg, Jeffrey S., and Gerald M. Shapiro. Digital Additive Synthesis for Computer Music (C), 29:12, p. 902 (1981)

Rodgers, C. A. Puddie. Bibliography (TCR), 29:1/2, p. 66 (1981)
——. Pinna Transformations and Sound Reproduction, 29:4, p. 226 (1981)
[Correction], 29:7/8, p. 525 (1981)

Rossum, David P. A Computer-Controlled Polyphonic Synthesizer (ER), 29:12, p. 895 (1981)

Sakamoto, Naraji, Katsuaki Satoh, Kazue Satoh, and Nobuhisa Atoji. Loudspeaker with Honeycomb Disk Diaphragm, 29:10, p. 711 (1981)
——, Toshiyuki Gotoh, Takuyo Kogure, Masatoshi Shimbo, and Almon H. Clegg. Controlling Sound-Image Localization in Stereophonic Reproduction, 29:11, p. 794 (1981)
——. (see Niguchi, Hirotoshi). 29:11, p. 808 (1981)

Salava, Tomas. Measurements of the Input Impedance of Loudspeaker Horns (ER), 29:6, p. 416 (1981)

Satoh, Katsuaki. (see Sakamoto, Naraji). 29:10, p. 711 (1981)

Satoh, Kazue. (see Sakamoto, Naraji). 29:10, p. 711 (1981)

Shapiro, Gerald M. (see Risberg, Jeffrey S.). 29:12, p. 902 (1981)

Shimada, Kunihiko. (see Nakazono, Jiro). 29:11, p. 800 (1981)

Shimbo, Masatoshi. (see Sakamoto, Naraji). 29:11, p. 794 (1981)

Shimizu, Toshio. (see Niguchi, Hirotoshi). 29:11, p. 808 (1981)

Small, Richard H. (see Margolis, Garry). 29:6, p. 421 (1981)
——. (see Margolis, Garry). 29:11, p. 824 (1981)

Smith, Howard G. Acoustic Design Considerations for Speech Intelligibility (ER), 29:6, p. 408 (1981)

Ståhl, Karl Erik. Synthesis of Loudspeaker Mechanical Parameters by Electrical Means: A New Method for Controlling Low-Frequency Loudspeaker Behavior, 29:9, p. 587 (1981)

Stamać, Ivan, and Silvije Stamać. Acoustical Response of an Enclosure (PCP), 29:9, p. 611 (1981)

Stamać, Silvije. (see Stamać, Ivan). 29:9, p. 611 (1981)

Stockham, T. (see Youngquist, R.). 29:9, p. 621 (1981)

Suyama, Hideo. (see Nakajima, Heitaro). 29:10, p. 705 (1981)

Suzuki, Hideo, and Jiri Tichy. Radiation and Diffraction Effects of Convex and Concave Domes, 29:12, p. 873 (1981)

Takahashi, Susumu, and Susumu Tanaka. Design and Construction of a Feedforward Error-Correction Amplifier (ER), 29:1/2, p. 31 (1981)

Talbot, Daniel B. Ultra-High-Performance Amplitude and Frequency Modulation and Demodulation, 29:7/8, p. 492 (1981)
[Correction], 29:11, p. 824 (1981)

——. A Satellite Communications, Broadcast-Quality Amplitude Compander, 29:10, p. 690 (1981)

Tanaka, Susumu. (see Takahashi, Susumu). 29:1/2, p. 31 (1981)
——. New Biasing Circuit for Class B Operation, 29:3, p. 148 (1981)

Tichy, Jiri. (see Suzuki, Hideo). 29:12, p. 873 (1981)

Trendell, E. G. Comments on "Shaped Tone-Burst Testing" (L), 29:1/2, p. 53 (1981)

Tsuchiya, Yukio. (see Nakazono, Jiro). 29:11, p. 800 (1981)

Tsukagoshi, Tsunehiro, Shinichi Yokozeki, Sumio Hagiwara, Toshikazu Yoshino, Yasuyuki Arai, and Takeo Yamamoto. Polymer-Graphite Composite Loudspeaker Diaphragm, 29:10, p. 720 (1981)
——, Hiroshi Ito, Kiyohide Ogasawara, Tetsu Namiki, Shinji Yasuda, Yutaka Masumoto, Hiroyuki Ota, and Takeo Yamamoto. Ribbon Sendust Magnetic Tape Heads, 29:12, p. 867 (1981)

Ueki, Masaaki. (see Hirata, Yoshimutsu). 29:4, p. 243 (1981)

Ugaji, Masana. (see Nakajima, Heitaro). 29:10, p. 705 (1981)

Vanderkooy, John. (see Lipshitz, Stanley P.). 29:7/8, p. 482 (1981)
——. (see Lipshitz, Stanley P.). 29:7/8, p. 528 (1981)

Yamada, Yasuhiro. (see Muraoka, Teruo). 29:1/2, p. 2 (1981)

Yamaguchi, Kiminori. (see Kawakami, Fukushi). 29:10, p. 739 (1981)

Yamamoto, Osamu. (see Niguchi, Hirotoshi). 29:11, p. 808 (1981)

Yamamoto, Takeo. (see Tsukagoshi, Tsunehiro). 29:10, p. 720 (1981)
——. (see Tsukagoshi, Tsunehiro), 29:12, p. 867 (1981)

Yasuda, Shinji. (see Tsukagoshi, Tsunehiro). 29:12, p. 867 (1981)

Yokozeki, Shinichi. (see Tsukagoshi, Tsunehiro). 29:10, p. 720 (1981)

Yoshino, Toshikazu. (see Tsukagoshi, Tsunehiro). 29:10, p. 720 (1981)

Youngquist, R., T. Stockham, and A. Heaslett. Review of Proposal to IEC WG16 (TCR), 29:9, p. 621 (1981)

Zurada, Jacek M. Programmable State-Variable Active Biquads, 29:11, p. 786 (1981)